IOWA DEPARTMENT OF NATURAL RESOURCES WATER SUPPLY SECTION CONSTRUCTION PERMIT APPLICATION

SCHEDULE-8, Aeration

	epared	Project Identity			
e Rev	vised				
If	f the aerator is desig	gned to remove any of the following gases, give the concentration of gas in the raw water:			
	_				
a.					
b. c.	o. nydrogen suii	fide: mg/l (contaminant) mg/l			
C.	. Other	(contaminant) mg/l (contaminant) mg/l			
		(Containmant) ing/i			
If	f the aerator is being	g provided for the removal of VOC contamination, what is its gas transfer efficiency?			
V	What provisions hav	we been made for aerator bypass?			
V	What provisions hav	ve been made for influent and effluent sampling?			
_		If natural, forced or induced aerators are provided: N/A			
If	f natural, forced or i	induced aerators are provided: N/A			
If a.		•			
	ı. Capacity:	induced aerators are provided: N/A gpm splash trays:			
a.	a. Capacity: b. Number of s	splash trays: gpm			
a. b.	a. Capacity: b. Number of s c. Tray separat	splash trays: inches			
a. b. c.	Capacity: Number of s Tray separat Total tray ar	splash trays: gpm			
a. b. c. d. e.	Capacity: Number of s Tray separat Total tray ar	splash trays: tion distance: inches rea: square feet g rate: gpm/ft ²			
a. b. c. d. e.	Capacity: Number of s Tray separat Total tray ar Tray loading	splash trays: tion distance: rea: gpm inches rea: gquare feet g rate: gpm/ft ² is provided: N/A			
a. b. c. d. e.	n. Capacity: n. Number of s c. Tray separat d. Total tray ar c. Tray loading f pressure aeration is n. Capacity: n. Has a pilot p	splash trays: tion distance: inches rea: square feet g rate: gpm/ft ² is provided: N/A gpm plant study been conducted to verify that a pressure aerator will perform satisfactorily? Yes	No □		
a. b. c. d. e.	n. Capacity: n. Number of s c. Tray separat d. Total tray ar c. Tray loading f pressure aeration is n. Capacity: n. Has a pilot p e. How is mixin	gpm splash trays: tion distance: inches rea: square feet g rate: gpm/ft ² is provided: N/A gpm plant study been conducted to verify that a pressure aerator will perform satisfactorily? Yes ing of the compressed air and water provided?	№ □		
a. b. c. d. e. If	n. Capacity: n. Number of s c. Tray separat d. Total tray ar c. Tray loading f pressure aeration is n. Capacity: n. Has a pilot p c. How is mixin d. What type of	splash trays: tion distance: inches rea: square feet g rate: gpm/ft ² is provided: N/A gpm plant study been conducted to verify that a pressure aerator will perform satisfactorily? Yes ing of the compressed air and water provided? of screen or filter is provided for the intake of the air compressor?	No 🗌		
a. b. c. If	n. Capacity: n. Number of s c. Tray separat d. Total tray ar c. Tray loading f pressure aeration is n. Capacity: n. Has a pilot p c. How is mixin d. What type of	gpm splash trays: tion distance: inches rea: square feet g rate: gpm/ft ² is provided: N/A gpm plant study been conducted to verify that a pressure aerator will perform satisfactorily? Yes ing of the compressed air and water provided?	No 🗌		
a. b. c. d. e. If a. b. c. d. e.	n. Capacity: n. Number of s. c. Tray separat d. Total tray ar e. Tray loading f pressure aeration is n. Capacity: n. Capacity: n. Has a pilot p c. How is mixin d. What type of e. Air compress	splash trays: tion distance: inches rea: square feet g rate: gpm/ft ² is provided: N/A gpm plant study been conducted to verify that a pressure aerator will perform satisfactorily? Yes ing of the compressed air and water provided? of screen or filter is provided for the intake of the air compressor?	No 🗌		
a. b. c. d. e. If a. b. c. d. e.	n. Capacity: n. Number of s. c. Tray separat d. Total tray ar c. Tray loading f pressure aeration is n. Capacity: n. Has a pilot p c. How is mixin d. What type of c. Air compress f spray aeration noz.	gpm splash trays: tion distance: inches rea: square feet g rate: gpm/ft ² is provided: N/A gpm plant study been conducted to verify that a pressure aerator will perform satisfactorily? Yes ing of the compressed air and water provided? of screen or filter is provided for the intake of the air compressor? screen or filter is provided: N/A rzles are provided: N/A	No 🗌		
a. b. c. d. e. If a. b. c. d. e.	n. Capacity: n. Number of s. c. Tray separat d. Total tray ar c. Tray loading f pressure aeration is n. Capacity: n. Has a pilot p c. How is mixin d. What type of c. Air compress f spray aeration noz. n. Capacity:	gpm splash trays: tion distance: inches rea: square feet g rate: gpm/ft² is provided: N/A gpm plant study been conducted to verify that a pressure aerator will perform satisfactorily? Yes ing of the compressed air and water provided? of screen or filter is provided for the intake of the air compressor? ssor capacity: cfm.	No 🗌		
a. b. c. d. e. Iff a. b. c. d. e. Iff a. d. e.	c. Capacity: Number of s. Tray separat. Total tray ar Tray loading f pressure aeration is Capacity: Has a pilot p How is mixing Multiple of Air compress f spray aeration noz. Capacity: Capacity: Type:	splash trays: tion distance: inches rea: square feet g rate: gpm/ft ² is provided: N/A gpm plant study been conducted to verify that a pressure aerator will perform satisfactorily? Yes ing of the compressed air and water provided? of screen or filter is provided for the intake of the air compressor? ssor capacity: cfm. zzles are provided: N/A gpm	№ □		
a. b. c. d. e. Iff a. b. c. d. e. Iff a. b. c. d. e.	c. Capacity: Number of s. Tray separat. Total tray ar. Tray loading. f pressure aeration is. Capacity: Has a pilot p. How is mixing. What type of Air compress. f spray aeration noz. Capacity: Type: Number of n	splash trays: tion distance: inches rea: square feet g rate: gpm/ft ² is provided: N/A gpm plant study been conducted to verify that a pressure aerator will perform satisfactorily? Yes ing of the compressed air and water provided? of screen or filter is provided for the intake of the air compressor? ssor capacity: cfm. zzles are provided: N/A gpm mozzles: gpm	№ □		

DNR form 12-8 (R 04-04) 542-3143